

-

\$	EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE	TTTTTTTTT TTTTTTTTTTTTTTTTTTTTTTTTTTTT	PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP	000000 000000 00 00 00 00	MM MM MMM MMMM MMMM MMMM MM MM MM MM MM	EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE	\$
		\$					

18

1222232222233

40

41

444444444555555557

0055

0056 0057 i 🛊

1 *

. į

O MODULE setpO\$mess (IDENT = 'VO4-000' ADDRESSING_MODE(EXTERNAL=GENERAL)) = BEGIN

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FACILITY: SET Command (SETPO.EXE)

ABSTRACT:

This module processes the SET MESSAGE command

ENVIRONMENT:

VAX/VMS operating system. unprivileged user mode.

AUTHOR: Tim Halvorsen, Dec 1979

Modified by:

AEW0001 Anne E. Warner 20-Jul-1984 Enable the message cli\$ confqual to be returned when a file-spec is specified with the /DELETE qualifier. V03-006 AEW0001

V03-005 BLS0295 7-APR-1984 Benn Schreiber Disable SYSPRV.

V03-004 BLS0291 Benn Schreiber 24-MAR-1984 Make routine name SET\$MESSAGE.

V03-003 GAS0112 Gerry Smith 29-Mar-1983 Remove references to old CLI interface.

V03-002 GAS0091 Gerry Smith 19-0ct-1982

SE.	TP0\$MESS 4-000	I 14 16-Sep-1984 00:38:02 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:09:13 [CLIUTL.SRC]SETPOMESS.B32;
:	58	
:	60 61	0059 1: 0060 1: V03-001 DWT0036 David Thiel 1-Apr-1982 0061 1: Don't allow an indirect message section to be installed.
	58 59 61 63 64 66 66 67 77 77 77 77	Change input request for new CLD syntax. Change input request for new Clants in the change of new C

Pege 2 (1)

! Qualifier explicitly negated

0131

0132

EXTERNAL LITERAL

clis_negated,

(2)

Page

K 14 16-Sep-1984 00:38:02 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:09:13 [CLIUTL.SRC]SETPOMESS.B32;1

Page 4 (2)

! Conflicting qualifiers

! Get a value from CLI ! See if qualifier present

ge 5 (3)

```
M 14
SETPOSMESS
                                                                            16-Sep-1984 00:38:02
14-Sep-1984 12:09:13
                                                                                                         VAX-11 Bliss-32 V4.0-742
                                                                                                                                                    Page
V04-000
                                                                                                         [CLIUTL.SRC]SETPOMESS.B32:1
                                                                                                                                                          (4)
                   0156
0157
   159
                            GLOBAL ROUTINE set$message =
                                                                            ! SET MESSAGE command
   160
                   0158
0159
   161
   162
                   0160
                                      This routine processes the SET MESSAGE command
   164
                   0161
   165
                   0162
                               Inputs:
   166
                                      None.
   167
                   0164
   168
                   0165
                               Outputs:
   169
                   0166
   170
                   0167
                                      status code
   171
                   0168
   172
                   0169
                   0170
                            BEGIN
   174
175
                   0171
                   0172
                            ROUTINE
                                 set_flags =
   176
   177
                   0174
                                      (BUILTIN ap; ctl$gb_msgmask = .ap <0,4>; true); ! Set message flags
                                                                                        .TITLE
                                                                                                 SETPOSMESS
                                                                                                 \V04-000\
                                                                                        .IDENT
                                                                                        .PSECT
                                                                                                 SOWNS.NOEXE.2
                                                                       00000 CLI_FLAGS:
                                                                                         .BLKB
                                                                       00004 SET_MASK:
                                                                                         BYTE
                                                                  00
                                                                       00005 CLEAR_MASK:
                                                                                        .BYTE
                                                                                                 SETPO$L_STATUS, CTL$GB_MSGMASK
CTL$GL_PPMSG, CTL$GW_PPMSGCHN
CTL$GL_CTLBASVA
CLI$_NEGATED, CLI$_CONFQUAL
CLI$GET_VALUE, CLI$PRESENT
                                                                                        .EXTRN
                                                                                        .EXTRN
                                                                                        .EXTRN
                                                                                        .EXTRN
                                                                                        .EXTRN
                                                                                        .PSECT $CODE$,NOWRT,2
                                                                 0000 00000 SET_FLAGS:
                                                                                                                                                        0173
                                                                                        .WORD
                                                                                                 Save nothing
             50
                                                                      00002
00007
                                                                                                 #0, #4, AP, RO
                                                                    EF 90
                                                                                                                                                        0174
                                                                                        EXTZV
                                 0000000G
                                              ŎÓ
                                                               50
                                                                                                 RO, CTLSGB_MSGMASK
                                                                                        MOVB
                                              50
                                                               ÕĬ
                                                                   DO 0000E
                                                                                        MOVL
                                                                                                 #1, R0
                                                                       00011
                                                                                        RET
                                                                    04
; Routine Size: 18 bytes,
                                   Routine Base: $CODE$ + 0000
   178
179
                  0176
                            LOCAL
   180
181
                                 status,
                                                                              status code
                                 priv_mask : $BBLOCK[8].
                   0178
                                                                              Mask to clear SYSPRV
   182
183
                                 file_desc : $BBLOCK[dsc$c_s_bln],
                   0179
                                                                              file descriptor
                   0180
                                               BYTE:
                                 new_mask:
                                                                              New message bit mask
```

VAX-11 Bliss-32 V4.U-742

[CLIUTL.SRC]SETPOMESS.B32:1

```
0181
                 0182
0183
185
186
187
                               Drop SYSPRV
                 0184
                            ch$fill(0,8,priv_mask);
priv_mask[prv$v_sysprv] = 1;
$SETPRV(enbflg=0,prvadr=priv_mask);
188
                 0185
                 0186
0187
189
190
191
192
193
194
195
196
                 0188
                 0189
                                       Get message file name
                 0190
                            $init_dyndesc(file_desc);
cli$get_value(%ASCID 'FILE', file_desc);
cli_flags[qual_delete] = cli$present(%ASCID 'DELETE');
                 0192
0193
                 0194
198
                 0195
199
                 0196
                                       Get qualifiers on command line
200
201
                 0197
                 0198
                            status = cli$present(%ASCID 'TEXT');
                                                                                                        ! /[NO]TEXT
202
203
                 0199
                            If .status
THEN set_mask = .set_mask OR 1
ELSE If .status EQL clis_negated
                 0200
0201
0202
0203
0204
0205
0206
0207
0208
0209
0211
204
ŽÕ5
                            THEN clear_mask = .clear_mask OR 1;
206
207
                            status = cli$present(%ASCID 'IDENT');
                                                                                                       ! /[NO]IDENT
                            If .status
THEN set_mask = .set_mask OR 2
ELSE If .status EQL clis_negated
208
THEN clear_mask = .clear_mask OR 2;
                            status = cli$present(%ASCID 'SEVERITY');
                                                                                                       ! /[NO]SEVERITY
                            If .status
                            THEN set_mask = .set_mask OR 4
                 0212
0213
0214
0215
0216
0217
0218
0229
0221
0222
0223
                            ELSE IF Istatus EQL cli$_negated
                           THEN clear_mask = .clear_mask OR 4;
                            status = cli$present(%ASCID 'FACILITY');
                                                                                                       ! /[NO]FACILITY
                            If .status
                            THEN set_mask = .set_mask OR 8
                            ELSE IF .status EQL clis_negated
                            THEN clear_mask = .clear_mask OR 8;
                                       Set the new message display flag settings first
                            If .set_mask NEQ 0 OR .clear_mask NEQ 0 ! If we gotta change something,
                 0227
0228
0229
0230
0233
0233
                            THEN
                                  new_mask = (.ctl$gb_msgmask OR .set_mask) AND NOT .clear_mask;
                                  perform($CMKRNL(ROUTIN = set_flags,
                                                  ARGLST = .new_mask)); ! Set new message flags
                                  END:
                 0234
                 0235
                 0236
                                       If /DELETE was specified, then delete the current section
                  0237
240
```

```
B 15
                                                                        16-Sep-1984 00:38:02
14-Sep-1984 12:09:13
SETPOSMESS.
                                                                                                   VAX-11 Bliss-32 V4.0-742
                                                                                                                                           Page
V04-000
                                                                                                   [CLIUTL.SRC]SETPOMESS.B32:1
                  0238
0239
0240
   24454547890123456789
24344567890123456789
                           If .cli_flags [qual_delete]
                                                                        ! If /DELETE specified,
                           THEN
                               BEGIN
                  0241
                               IF .file_desc[dsc$w_length] NEQ 0
                                                                        ! If file spec specified,
                               THEN
                                    BEGIN
                                    setpQ$l_status = cli$_confqual;
                                                                        ! return conflicting qualifiers
                                    RETURN
                  0246
                                    END:
                  0247
                 0248
                               perform($CMKRNL(ROUTIN=delete_section, ! then delete the section
                  0249
                                             ARGLST=file_desc);
                  0250
                               END:
                  0251
                                    If message file name specified, then map the file into
                                    the P1 region and set the process permanent message pointer.
   260
                                                                        ! If parameter specified,
                              .file_desc[dsc$w_length] NEO O
   261
                               AND NOT .cli_flags [qual_delete]
                                                                        ! and not deleting the section
   262
263
                  0259
                           THEN
                               BEGIN
   264
                  0261
   265
                                    Only allow 1 section to be mapped at a time for now
   266
267
                  0263
                                    This can be extended at a later date.
   268
                               IF .ctl$gl_ppmsg NEQ 0
                                                                        ! If section already mapped,
   269
270
271
                  0266
                               THEN
                  0267
                                    perform($CMKRNL(ROUTIN=delete_section,ARGLST=file_desc));! unmap it
                  0268
   272
273
274
275
276
277
278
279
                  0269
                                    Map the specified file as the current section
                  0270
                 0271
                               perform($CMKRNL(ROUTIN=map_section, ! map the section
                  0272
                                             ARGLST=file_desc));
                               END:
                  0274
                  0275
                           RETURN true:
   280
                             L1:0244
  INFO#212
; Null expression appears in value-required context
                                                                                   .PSECT $PLIT$,NOWRT,NOEXE,2
                                                 45 40 49 46
                                                                   00000 P.AAB:
                                                                                   .ASCII
                                                                                           \FILE\
17694724
                                                        010E0004
                                                                   00004 P.AAA:
                                                                                   .LONG
                                                                                    ADDRESS P.AAB
                                                        00000000
                                                                   80000
                                   00 45 54 45 4C 45 44
010E0006
                                                                   0000C P.AAD:
                                                                                   .ASCII
                                                                                           \DELETE\<0><0>
                                                                   00014 P.AAC:
                                                                                   .LONG
                                                                                            17694726
                                                        0000000
                                                                                    ADDRESS P.AAD
                                                        010E0004
                                                 54 58 45
                                                                   ĎŎĎÍČ P.AAF:
                                                                                            \TEXT\
17694724
                                                                                   .ASCII
```

00020 P.AAE:

00028 P.AAH:

00024

0000000

4E 45 44 49

00

54

.LONG

.ADDRESS P.AAF

.ASCII \IDENT\<0><0><0>

8

SETPOSMESS VO4-000							10	15 5-Sep-19 5-Sep-19	84 00:38: 84 12:09:	:02	VAX-11 Bliss-32 V4.0-742 Pa [CLIUTL.SRC]SETPOMF35.وء	ge 9 (4)
	59 59		49 5 49 4	C 49 43	10E000 00000 10E000 00000 10E000	08 46 08	00034 00038 00040 00044 00048	P.AAJ: P.AAI: P.AAL: P.AAK:	.LONG .ADDRESS	3 P.AAL		
											TPRV, SYS\$CMKRNL	
					Os	:	00000		.PSECT .ENTRY		<pre>NOWRT,2 SSAGE, Save R2,R3,R4,R5,R6,R7,R8,R9,-</pre>	. 0154
08	00		58 59 58 57 56 56 6E	0000° 000000006 000000006 0000	00 CF 00 8F 00 CF 10	9E 9	00002 00009 0000E 00015 0001C 00023 00028		MOVAB MOVAB MOVAB MOVAB	R10,R1 SETPOS P.AAA, SYSSCM #CLIS CLISPR CLEAR #16,5	L STATUS, R11 R10 KRNL, R9 NEGATED, R8 ESENT, R7 MASK, R6 P P), #0, #8, PRIV_MASK	0185
		08		08 10	AE 10 7E AE 7E	7C 9F D4	00030 00032 00036 00038 0003B		BISB2 CLRQ PUSHAB CLRL	-(SP) PRIV_M -(SP)		0186 0187
		000000	6E	020E0000 04 4400	04 8F AE 8F 02	FB DO D4 BB	0003D 00044 0004B 0004E		CALLS MOVL CLRL PUSHR	#4 SY #34471 FILE_DI #^M <r1< td=""><td>S\$SETPRV 936, FILE_DESC ESC+4 0,SP></td><td>0191 0192</td></r1<>	S\$SETPRV 936, FILE_DESC ESC+4 0,SP>	0191 0192
FB A6	01		67 00	10 1c	01 50	FB	00052 00059 0005C 0005F 00065		CALLS PUSHAB CALLS INSV PUSHAB		I\$GET_VALUE I\$PRESENT , #1, CLI_FLAGS	0193 0198
		FF	67 06 A6 58		AA 01 50 01 08 50	FB E9 88 11	00065 00068 0006B 0006E 00072 00074 00077	18.	CALLS BLBC BISB2 BRB CMPL	#1, CL STATUS #1, SE 2\$ STATUS	ISPRESENT , #1, CLI_FLAGS ISPRESENT , 1S T_MASK	0199 0200 0201
			66	20	03 01 AA 01	12 88 9F FB	00077 00079 0007C 0007F	2\$:	BNEQ BISB2 PUSHAB CALLS	25 #1, CLI P.AAG #1, CL	EAR_MASK	0202 0204
		FF	67 06 A6 58		01 50 02 08 50 03 02 AA	E9 88 11 D1	0007F 00082 00085 00089 0008B 0008E 00090	3\$:	CWPL	#2, SE 4\$ STATUS	Í_MASK	0205 0206 0207
			66 67	30	03 02 AA 01 50	12 88 9F FB	0008E 00099 00093 00096	45:	BNEQ BISB2 PUSHAB CALLS BLBC BISB2	4\$ #2, CLI P.AAI #1, CL	EAR_MASK I\$PRESENT	020 8 0210
		FF	67 06 A 6		50 04 08	88	00099 00090 000A0		BLBC BISB2 BRB	STATUS #4, SE 6\$	5\$ f_mask	0211 0212

					1	D 15 6-Sep- 4-Sep-	1984 00:38 1984 12:09	:02 VAX-11 Bliss-32 V4.0-742 :13 [CLIUTL.SRC]SETPOMESS.B32;1	Page 10 (4)
		58		50 03	D1 000A2	5\$:	CMPL	ȘȚATUS, R8	; 0213
		66 67	40	04 AA	12 000A5 88 000A7 9F 000AA FB 000A	, \ 6 \$:	BNEQ BISB2 PUSHAB CALLS	6\$ #4, CLEAR_MASK P.AAK #1, CLI\$PRESENT	0214 0216
	FF	67 06 A6		050880386 050880386	E9 000B0 88 000B3 11 000B7	}	BLBC BISB2 BRB	STATUS, 7\$ #8, SET_MASK 8\$	0217 0218
		58		50 03	01 000B9	7\$:	CMPL BNFO	STATUS, R8 8\$: 0219
		66 50	FF	04	88 000BE 9A 000C1 12 000C5 95 000C7	8\$:	BNEO BISB2 MOVZBL BNEO TSTB	#8, CLEAR_MASK SET_MASK, RO 9\$	0220 0226
		52 50	00000000G	66 18 00 52	13 00009 9A 0000E 08 000D2	9\$:	BEQL Movzbl	CLEAR_MASK 10\$ CTL\$GB_MSGMASK, R2 R2, R0 CLEAR_MASK, R0, NEW_MASK	0229
51		50 7E 69	FF0E	66 51 CF 02	8B 00005 9A 00005 9F 00000 FB 000E0		BISL2 BICB3 MOVZBL PUSHAB CALLS	CLEAR_MASK, RO, NEW_MASK NEW_MASK, +(SP) SET_FLAGS #2, SYS\$CMKRNL	0232
		69 45 19	FB	CF 02 50 A6 69	E9 000E3 E9 000E6 B5 000E	10\$:	BLBC Blbc TSTW	STATUS, 14 \$ CLI_FLAGS, 12 \$ FILE_DESC	0238 0241
		6B		8F 3B 5E	DO 000EE 11 000F5 DD 000F7	11 \$:	BEQL MOVL BRB PUSHL	#CLIS_CONFQUAL, SETPOSL_STATUS 16\$ SP	0244 0243 0249
		69 28	0000 v	CF 02 50 6F	9F 000F9 FB 000FD E9 00100 B5 00103))	PUSHAB CALLS BLBC TSTW	DELETE_SECTION #2, SYS\$CMKRNL STATUS, 14\$ FILE DESC	0257
		23	00000000G	6E 27 A6 00 00	13 00105 E8 00107 D5 00108 13 00111	, , , , , , , , , , , , , , , , , , , ,	BEQL BLBS TSTL	FILE_DESC 15\$ CLI_FLAGS, 15\$ CTL\$GL_PPMSG 13\$	0258 0265
		69	0000v	5E CF	9F 00115		BEQL PUSHL PUSHAB	SP DELETE_SECTION	0267
		00	0000 v	02 50 5E 02 50 50	FB 00119 E9 00110 DD 0011F 9F 00121		CALLS BLBC PUSHL PUSHAB	#2, SYS\$CMKRNL STATUS, 14\$ SP MAP_SECTION	0272
		69 03 68 50		02 50 50 01	FB 00128 E8 00128 D0 00128 D0 00128 04 00131 D4 00132		CALLS BLBS MOVL	#2, SYS\$CMKRNL STATUS, 15\$ STATUS, SETPO\$L_STATUS	0275
		U			04 00131	. 1J#;	MOVL RET	#1, R0	0275
				50	04 00132	: 16 5 ;	CLRL RET	RO	0277

; Routine Size: 309 bytes, Routine Base: \$CODE\$ + 0012

Channel number of open file

! Owned by exec mode, read only

VAX-11 Bliss-32 V4.0-742

```
0278
0279
2834567889012345
                        0280
0281
                        0285
                        0286
                        0287
                        0288
                        0289
                        0290
                        0291
296
297
298
                       0292
0293
                        0294
Ž99
                        0295
300
                       0296
0297
301
302
303
304
                       0298
                       0299
305
                        0301
                       0302
0303
0304
0305
0306
0307
306
307
308
309
310
311
                       0308
0309
0310
312
313
314
315
                       0311
                       0312
0313
316
317
318
                    P 0314
                    P 0315
P 0316
319
320
321
                    P 0317
322
323
324
325
                    P 0318
                       0319
                       0320
326
327
328
329
330
331
332
333
334
336
337
                        0325
                       0326
0327
                       0328
0329
                    P 0330
P 0331
                       0332
0333
                    P
338
                       0334
```

```
[CLIUTL.SRC]SETPOMESS.B32;1
ROUTINE map_section =
         This routine maps the message file into the P1 region
         as a process permanent message section. The file name
         is described by the parameter descriptor block.
  Inputs:
        ap = Address of parameter descriptor block
  Outputs:
        The file is mapped; else status returned in setpO$l_status.
BEGIN
BUILTIN
                                            Register AP
    PROBER;
                                            Built-in function PROBER
MAP
                 REF BLOCK [,BYTE]:
                                          ! Address of parm desc. block
    ap:
LOCAL
    fab:
                 BLOCK [fab$c_bln,BYTE],
                                            FAB to access file with
                                            temporary status
    status,
                                            CRMPSC address range
                 VECTOR [2]
    range:
    section:
                 REF BLOCK[,BYTE];
                                           ! Use to access actual section
        Open the message file and obtain a channel to it
$FAB_INIT(FAB = fab.
                                            Initialize FAB
        FNA = .ap [dsc$a_pointer],
FNS = .ap [dsc$w_length],
DNA = UPLIT('.EXE'),
                                            Address of file name string
                                            Length of file name string
                                            Default name string
        DNS = 4.
        FOP = UFO):
                                          ! User file open
return_if_error($OPEN(FAB = fab));
                                          ! Open the file
        Map the section into P1 space
range [0] = XX'40000000':
                                          ! Signal to EXPREG in P1 region
range [1] = .range [0];
return_if_error($CRMPSC(INADR = range,
                                            Map the section into P1 space
                 RETADR = range,
                                            Get resulting address range
                 FLAGS = sec$m_expreg,
                                            Expand region to map section
```

CHAN = .fab [Tab\$1_stv],!

ACMODE = pslSc_exec,

```
F 15
SETPOSMESS
                                                                            16-Sep-1984 00:38:02
14-Sep-1984 12:09:13
                                                                                                         VAX-11 Bliss-32 V4.0-74]
V04-000
                                                                                                         [CLIUTL.SRC]SETPOMESS.B32:1
                                                                            ! Start after image header
! NOTE: Assume 1 block image header
                                               VBN = 2));
   Change the page protection to user read only. This
                   0341
                                      is so that the probing in $GETMSG works for all callers.
                   0342
                   0344
                            status = $SETPRT(INADR=range,PROT=prt%c_ur); ! Change to user read only
                   0345
                          2 IF NO
2 THEN
3 E
                   0346
                            IF NOT .status
                                                                            ! If error changing protection
                   0347
                   0348
                                 BEGIN
                   0349
                                 $DELTVA(INADR=range);
                                                                            ! Unmap section
                                 $DASSGN(CHAN=.fab [fab$l_stv]);
                   0350
                                                                            ! and deassign channel
                   0351
                                 RETURN .status;
                                                                            ! return with status
                  0353
0353
0354
0356
0356
0357
0358
                                 END;
                                     Verify validity of message section
                            section = .range [0];
                                                                           ! Address the contents of the section
                  0360
0361
0362
0363
0364
0365
0366
                         If (.section [plv$l_type] NEQ plv$c_typ_msg) ! Verify validity of section OR (.section [plv$l_version] NEQ 0) OR (.section [plv$l_msgdsp] NEQ 6)
                                 OR (.section [plv$l_exec] NEQ %X'65160101')
   368
                                 OR (
   369
                                     BEGIN
   370
   371
                                     BIND
   372
                  0368
                                          rel = section [plv$l_usrundwn],
                                                                                     ! self-relative pointer
   373
                  0369
                                          msc = rel + .rel : B[OCK [, BYTE]; ! message section
                  0370
0371
   374
   375
                                      If PROBER (%REF (psl$c_user), %REF (1), msc [msc$b_type])
                  0372
0373
   376
   377
                                          .msc [msc$b_type] NEQ msc$c_msg ! only message text type allowed
   378
                  0374
                                      ELSE
   379
                  0375
                                          true
                  0376
   380
                                      END
   381
                  0377
   382
                  0378
                            THEN
                                                                            ! Message file illegal, unmap it
   383
                   0379
                                 BEGIN
                                 $DELTVA(INADR=range);
   384
                  0380
                                                                            ! Unmap section
                                 $DASSGN(CHAN=.fab [fab$l_stv]);
   385
                  0381
                                                                              and deassign channel
   386
387
                  0382
                                                                            ! Signal invalid message file
                                 RETURN ss$_ivsecidctl;
                   0383
   388
                  0384
   389
390
391
392
393
                            ctl$gl_ppmsg [0] = .range [0];
ctl$gl_ppmsg [1] = .range [1];
ctl$gw_ppmsgchn = .fab [fab$l_stv];
                  0385
                                                                            ! Set address of section vector
                  0386
                   0387
                                                                           ! Save channel to message section
                   0388
                   0389
                            ctl$gl_ctlbasva = .range [0];
                                                                           ! Set new base of fixed P1 region
   394
                   0390
   395
                   0391
                          2 RETURN true;
                                                                            ! Return successful
```

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0392 2 0393 1 END;

									.PSECT	\$PLIT\$, NOWRT, NOEXE, 2	
ı			45	58	45	2E	00058	P.AAM	: .ASC11	\.EXE\	;
									.EXTRN .EXTRN .EXTRN	SYS\$OPEN, SYS\$CRMPSC SYS\$SETPRT, SYS\$DELTVA SYS\$DASSGN	
									.PSECT	\$CODE\$,NOWRT,2	
					0	OF C	00000	MAP_S	ECTION:		
	0050 8F	00	57 00000 56 00000 5E 6E	000G A8	00 AE 00	9E	00009 00010 00014		.WORD MOVAB MOVAB MOVAB MOVC5	Save R2,R3,R4,R5,R6,R7 SYS\$DASSGN, R7 SYS\$DELTVA, R6 -88(SP), SP #0, (SP), #0, #80, \$RMS_PTR	0278
		08 00 1E	AE 00020 AE AE	08 5003 0000	AE 8F 02 02 AC	B0 00 90 90	0002B		MOVW MOVL MOVB MOVB	#20483, \$RMS_PTR #131072, \$RMS_PTR+4 #2, \$RMS_PTR+22 #2, \$RMS_PTR+31	
		34 38 30	AE	04	AC CF 6C 04	90 90 90	00033 00038 0003E		MOVL MOVAB MOVB	4(AP), \$RMS_PTR+44 P.AAM, \$RMS_PTR+48 (AP), \$RMS_PTR+52 #4, \$RMS_PTR+53 FAB	
		00000006	00 2D	08	AE	9F	00046 00049		MOVB PUSHAB CALLS BLBC	W1. SYSSOPEN	0321
			6É 40000	0000	01 50 8F 6E 7E	D0 D0 7C	00053 0005A 0005E		MOVL MOVL CLRQ	STATUS, 18 #1073741824, RANGE RANGE, RANGE+4 -(SP)	9337 9333
				24	02 7E AE 7E	DD D4 DD 70	00060 00062 00064 00067		PUSHL CLRL PUSHL CLRQ	#2 -(SP) FAB+12 -(SP)	
			00020		7E 8f 01	04	00069 00068		CLRL Pushl	-(SP) #131072	8
		0000000G	00 01	5¢ 58	AE OC 50	FB	00071 00073 00076 00079	4.4	PUSHL PUSHAB PUSHAB CALLS	#1 RANGE RANGE #12, SYS\$CRMPSC	
						E8 04	00083		BLBS RET	STATUS, 28	
			7E		OF 7E	70	00084 00087	25:	MOVQ CLRQ	#15, -(SP) -(SP)	0344
		0000000G	00 52 12	10	0F 7E 05 50 52 7E	FB DO	00089 00080 00093 00096		CLRQ PUSHAB CALLS MOVL BLBS	RANGE #5, SYS\$SETPRT RO, STATUS STATUS, 3\$	0346
			66	08	ŽĒ AE 03	70	00099 0009B 0009E		CLRQ PUSHAB CALLS	-(SP) RANGE #3, SYS\$DELTVA	0346 0349

				H 15 16-Sep- 14-Sep-	1984 00:38 1984 12:09	:02 VAX-11 Bliss-32 V4.0-742 :13 [CLIUTL.SRC]SETPOMESS.B32;1	Page 14 (5)
	67	14	AE 01	DD 000A1 FB 000A4	PUSHL Calls	FAB+12 #1, SYS\$DASSGN	: 0350
	50		01 52	DO 000A7	MOVL	STATUS, RO	; 0351
	50 02		6E 60 25 A0 20 A0	04 000AA D0 000AB 3\$: D1 000AE 12 000B1	RET MOVL CMPL BNEQ	RANGE, SECTION (SECTION), #2	0358 0360
		04	ÃÓ	D5 000B3	TSTL	4(SECTION)	: 0361
	06	08	A0 1 A	12 000B6 D1 000B8 12 000BC	BNEQ CMPL BNEQ	8(SECTION), #6	0362
65160101	8F	00	ÁÔ	D1 000BE	BNEQ CMPL	4\$ 12(SECTION), #1695940865	0363
60	50 50 01		A0 10 10 03 40 14	12 000C6 C0 000C8 C0 000CB OC 000CE 13 000D2	BNEQ ADDL2 ADDL2 PROBER	4\$ #16, R0 (R0), R0 #3, #1, (R0) 4\$	0368 0369 0371
			60	95 000D4	BEQL TSTB	(RO)	0373
	44	08	7E AE 03 AE	7C 000D8 45:	BEQL CLRQ PUSHAB	5\$ -(SP) RANGE	0380
	66	14	AE	FB 000DD DD 000E0 FB 000E3	CALLS PUSHL CALLS	#3, SYS\$DELTVA FAB+12	. 0381
	67 50	02E4	01 8F	FB 000E3 3C 000E6 04 000EB	CALLS MOVZWL RET	#1, SYS\$DASSGN #740, RO	0382
00000000G 0000000G 0000000G	00 00 00 50	14	6E 6E 01	7D 000EC 5\$: B0 000F3 D0 000FB D0 00102 04 00105	MOVO MOVU MOVL MOVL RET	RANGE, CTL\$GL_PPMSG FAB+12, CTL\$GD_PPMSGCHN RANGE, CTL\$GL_CTLBASVA #1, RO	0385 0387 0389 0391

; Routine Size: 262 bytes, Routine Base: \$CODE\$ + 0147

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```
I 15
SETPOSMESS
VO4-000
                                                                                   16-Sep-1984 00:38:02
14-Sep-1984 12:09:13
                                                                                                                   vAX-11 Bliss-32 v4.0-742 [CLIUTL.SRC]SETPOMESS.B32;1
                                                                                                                                                                  Page 15 (6)
                    0394
0395
0396
0397
0398
0399
   390123405678901123
                               ROUTINE delete_section =
                                         This routine deletes an existing process permanent message file currently mapped in P1 space.
                    0400
0401
                                 Inputs:
                    0402
0403
                                         ap = Address of parameter descriptor block
                     0404
                     0405
                                 Outputs:
                     0406
                     0407
                                         The section is unmapped; or status returned in setpO$l_status.
                     0408
   414
                     0409
   415
                     0410
                               BEGIN
   416
                     0411
                    0412
   417
                               If .ctl$gi_ctlbasva EQL .ctl$gl_ppmsg [0]
   418
                                    ctl$gl_ctlbasva = .ctl$gl_ppmsg [1] + 1;
   41901234224422442304231
                     0414
                    0415
                    0416
                               setpO$l_status = $DELTVA(INADR=ctl$gl_ppmsq);
                     0417
                    0418
                               $DASSGN(CHAN = .ctl$gw_ppmsgchn);
                                                                                    ! Deassign channel to file
                    0419
                               ctl$gw_ppmsgchn = 0;
                                                                                    ! Indicate channel no longer valid
                    0420
                    0421
0422
0423
                            2 ctl$gl_ppmsg [0] = 0;
2 ctl$gl_ppmsg [1] = 0;
                                                                                   ! Zero address of section
                            2 RETURN true;
                    0424
                    0426
                           1 END:
```

				()01C	00000	DELETE	SECTION:		
							_	.WORD	Save R2,R3,R4	: 0394
		54	00000000	00	9E	00002		MOVAB	CTL\$GL_CTLBASVA, R4	;
		53	000000000	00	9E	00009		MOVAB	CTL\$GW_PPMSGCHN, R3	;
		52	0000000G	00	9Ę	00010		MOVAB	CTL\$GL_PPMSG, R2	;
		62		64	01	00017		CMPL	ÇŢL\$GL_CTLBAŠVA, CTL\$GL_PPMSG	: 0412
				05	12	0001A		BNEQ	15	
64	04	A2		01	<u>C</u> 1	0001C		ADDL3	#1, CTL\$GL_PPMSG+4, CTL\$GL_CTLBASVA	: 0414
				/E	70	00021	15:	CLRQ	-(SP)	: 0416
				کِر	CD	00023		PUSHL	RZ	;
	000000006	00		ŲΣ	fΒ	00025		CALLS	#3, SYSSDELTVA	;
	0000000G	ÕÕ		03 50 63	δõ	00050		MOVL	RO, SETPOSL STATUS	; ,,,,
	00000000	(E		ŎŽ	30	00033		MOVZWL	CTLSGW_PPMSGCHN, -(SP)	: 0418
	0000000G	00		01	fΒ	00036		CALLS	W1, SYSSDASSGN	. 0/10
				63	B 4	00030		CLRW	CTL\$GW_PPMSGCHN	: 0419
		<i>5</i> ^		63 62 01	()	0003F		CLRQ	CTL\$GL_PPMSG	: 0421
		50		UI	ĎΟ	00041		MOVL	#1, RO	0424
					04	00044		RET		: 0426

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VAX-11 Bliss-32 V4.0-742 [CLIUTL.SRC]SETPOMESS.B32;1

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; Routine Size: 69 bytes. Routine Base: \$CODE\$ + 024D

K 15 SETPOSMESS 16-Sep-1984 00:38:02 14-Sep-1984 12:09:13 VAX-11 Bliss-32 V4.0-742 V04-000 [CLIUTL.SRC]SETPOMESS.B32;1 433 0427 1 END 0428 0 ELUDOM PSECT SUMMARY Name Bytes Attributes 6 NOVEC, WRT, 658 NOVEC, NOWRT, 92 NOVEC, NOWRT, PD .NOEXE.NOSHR, LCL. RD . EXE.NOSHR, LCL. RD .NOEXE.NOSHR, LCL. REL, CON, NOPIC, ALIGN(2) CON, NOPIC, ALIGN(2) CON, NOPIC, ALIGN(2) SOWNS REL. \$CODE\$ SPLITS REL. Library Statistics ----- Symbols -----Pages Processing File Total Loaded Percent Mapped Time _\$255\$DUA28:[SYSLIB]LIB.L32:1 18619 76 1000 00:01.8 ; Information: Ò ; Warnings: : Errors: Ō COMMAND QUALIFIERS BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LISS:SETPOMESS/OBJ=OBJS:SETPOMESS MSRCS:SETPOMESS/UPDATE=(ENHS:SETPOMESS) ; Size: ; Run Time: ; Elapsed Time: ; Lines/CPU Min: 658 code + 98 data bytes 00:15.5 00:51.7 : Lexemes/CPU-Min: 25612 : Memory Used: 160 pages : Compilation Complete

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